


Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 19709  
Application ID: 10065689  
Title of Invention: METHODS AND APPARATUS FOR  
DETECTING STRUCTURAL,  
PERFUSION, AND FUNCTIONAL  
ABNORMALITIES  
First Named Inventor: Jiang Hsieh  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2002-11-08  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: 128402  
Digital Certificate Holder: cn=Thomas Micheal Fisher, ou=Registered Attorneys, ou=Patent  
and Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: jm5WD2EpbKEo4d410aVqKQ==  
Total Fees Authorized: \$1314.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 12384  
Deposit Account Name: Thomas M. Fisher



# TRANSMITTAL FORM



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Submission Type: Utility Patent  
Filing

Attorney Docket  
Number:

128402

## METHODS AND APPARATUS FOR DETECTING STRUCTURAL, PERFUSION, AND FUNCTIONAL ABNORMALITIES

First Named Inventor: Jiang Hsieh

### SUBMITTED BY

Name:

Thomas Fisher

Registration Number:

47564

Electronic Signature Mark: Thomas  
Fisher

Date Signed: 20021108

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*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

Attached Files:

declaration

Decl.tif

APP\_ID=10065689

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declaration	Dec2.tif
declaration	Dec3.tif
declaration	Dec4.tif
declaration	Dec5.tif
declaration	Dec6.tif
bibd-transmittal	12553-323apds.xml
patent-assignments	assig1.xml
specification	Document3.xml
fee-transmittal	12553-323fee.xml

**Attached Image File(s):**

Dec1.tif  
Dec2.tif  
Dec3.tif  
Dec4.tif  
Dec5.tif  
Dec6.tif

Comments:

## DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.  
128402

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **METHODS AND APPARATUS FOR DETECTING STRUCTURAL, PERFUSION, AND FUNCTIONAL ABNORMALITIES** the specification of which:

(check one)      ☒      is attached hereto  
                                  ☐      was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_  
                                  and was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations §1.56(a).

I hereby claim priority benefits under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112. I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
_____	_____	_____
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date	Additional provisional application numbers are listed on a supplemental priority sheet attached hereto.
_____	_____	_____
_____	_____	_____
_____	_____	_____

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

John S. Beulick (Reg. No. 33,338); Bruce T. Atkins (Reg. No. 43,476); Thomas M. Fisher (Reg. No. 47,564); Daniel M. Fitzgerald (Reg. No. 38,880); Patrick W. Rasche (Reg. No. 37,916); Robert B. Reeser III (Reg. No. 45,548); and Michael Tersillo (Reg. No. 42,180), all of Armstrong Teasdale LLP, One Metropolitan Square, St. Louis, MO 63102; Michael A. Della Penna (Reg. No. 45,697); Peter Vogel (Reg. No. 41,363); and Carl B. Horton (Reg. No. 34,622), all of GE Medical Systems, 3000 North Grandview Blvd., W-710, Waukesha, WI 53188; Ronald E. Myrick (Reg. No. 26,315); Henry J. Policinski (Reg. No. 26,621); and Scott R. Hayden (Reg. No. 41,821), all of General Electric Company (W3C), 3135 Easton Turnpike, Fairfield, CT 06431-0001.

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## DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.  
128402

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application and any patent issued thereon.

## SOLE OR FIRST INVENTOR:

Full Name: Jiang HsiehSignature: [Signature] Date: 10/30/02Residence: Brookfield, WisconsinCitizenship: USAPost Office Address: 19970 W. Keswick Court, Brookfield, Wisconsin 53045

## SECOND JOINT INVENTOR, IF ANY:

Full Name: Ricardo Scott Avila

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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## THIRD JOINT INVENTOR, IF ANY:

Full Name: Maria Iatrou

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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## FOURTH JOINT INVENTOR, IF ANY:

Full Name: Shankara B. ReddySignature: [Signature] Date: 10/30/2002Residence: Cedarburg, WisconsinCitizenship: USAPost Office Address: W75 N766 Tower Avenue, Cedarburg, Wisconsin 53012

<b>DECLARATION AND POWER OF ATTORNEY</b>	<b>Attorney's Docket No. 128402</b>
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**FIFTH JOINT INVENTOR, IF ANY:**Full Name: Peter Michael Edic

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Albany, New YorkCitizenship: USAPost Office Address: 55 Manning Boulevard, Albany, New York 12203





## DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.  
128402

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application and any patent issued thereon.

## SOLE OR FIRST INVENTOR:

Full Name: Jiang Hsieh  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
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 Signature: *Maria Iatrou* Date: November 7, 2002  
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DECLARATION AND POWER OF ATTORNEY	Attorney's Docket No. 128402
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## FIFTH JOINT INVENTOR, IF ANY:

Full Name Peter Michael Edic  
Signature Peter Michael Edic Date: 11/15/02  
Residence: Albany, New York  
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# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 1314**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 01-2384  
Deposit Account Name: ARMSTRONG TEASDALE LLP



Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

## SUBMITTED BY

Authorized Name: Thomas M. Fisher  
Electronic Signature Mark: Thomas M. Fisher  
Date Signed: 20021108

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 31	1202	\$ 18	11	\$ 198
Independent Claims: 7	1201	\$ 84	4	\$ 336

Subtotal For Extra Claims Fees: \$ 534

## ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40